



Kitemark™ Certificate
No. 650623



CERTIFICATE OF APPROVAL
No. ME 5007



FIRE RATED DOORS

Emirates Fire Fighting Equip. LLC. (Firex)

P. O. Box: 22436, Sharjah - U.A.E. Tel: +971 6 5340300 Fax: +971 6 5340090

E-mail: firex@emirates.net.ae Website: www.firexuae.com

Emirates Fire Fighting Equip. LLC. (Firex)



www.firexuae.com



INTRODUCTION

INTRODUCTION

Emirates Fire Fighting Equipment Factory LLC (FIREX) was established in Sharjah (UAE) in the year of 1998. Since then the company is performing very well to supply the local market as well as the GCC region with the optimum quality of fire fighting goods along with a very competitive price and good quality.

Fire Rated Steel Doors are generally constructed as standard FIREX Door sets but have special internal reinforcement. The fire rated door range has been fully tested and approved by leading authorities throughout the United Arab Emirates.

FIREX fire rated door sets are available to suit numerous applications from single action door sets to double action door sets to a maximum fire resistant period of 30 minutes to 240 minutes.

FIREX offers the complete design, manufacture, supply and installation of high quality architectural doors sets all over the GCC region for Fire Rated Doors in exterior and interior doors such as hollow metal doors and steel doors.

These has the most extraordinary fire resistance making an ideal for preventive fire protection. Conglomerating with state-of-the-art technology, FIREX Fire Door Systems provide an explicit features for extra safety. The tested and approved fire protection systems can be adapted to the most varied requirements, wether the priority is on flexible sizes or its exquisite designs.

FIREX provides the most comprehensive range of certificated fire resistant (rated) steel, hollow metal doors and stainless steel doors. Manufacturing from a precise specifications on steel sections which are available to satisfy all United Arab Emirates fire regulations towards stability and integrity.



Machines & Tools

We are using heavy duty machines to fabricate our fire rated doors. We always look for the quality of our products and assure our clients that we fabricate their doors in an advance and very efficient ways.

Safan Darly Cnc Shear Cutting Machine

All Safan Darley CNC Shears are operated by means of Safan Darley e-Control or TS Touch Screen control. This is the most user-friendly man/Machine interface available. The combined expertise of Safan Darley is particularly strong in the field automated bending cells and client-specific production solution.



Euromac MTX Autoindex

Euromac hydraulic punching machine are designed for accuracy and reliability. They are developed for high flexibility and efficient processing of metal stampings. Our CNC machine is very flexible and accurate and we used this machine in executing NC programs that our designers created using Lantek programming software.



Baykal CNC Press Brakes

Baykal APHS Compact CNC Press Brakes are easy-to-use CNC system with complete bending computations and large tool library. It is ideal for multi-bending of complex forms, as well as for volume production which require constant repeatability. Its bending accuracy and repeatability are at least five-fold higher than a conventional press brakes.

Baykal APHS 3104 x 90



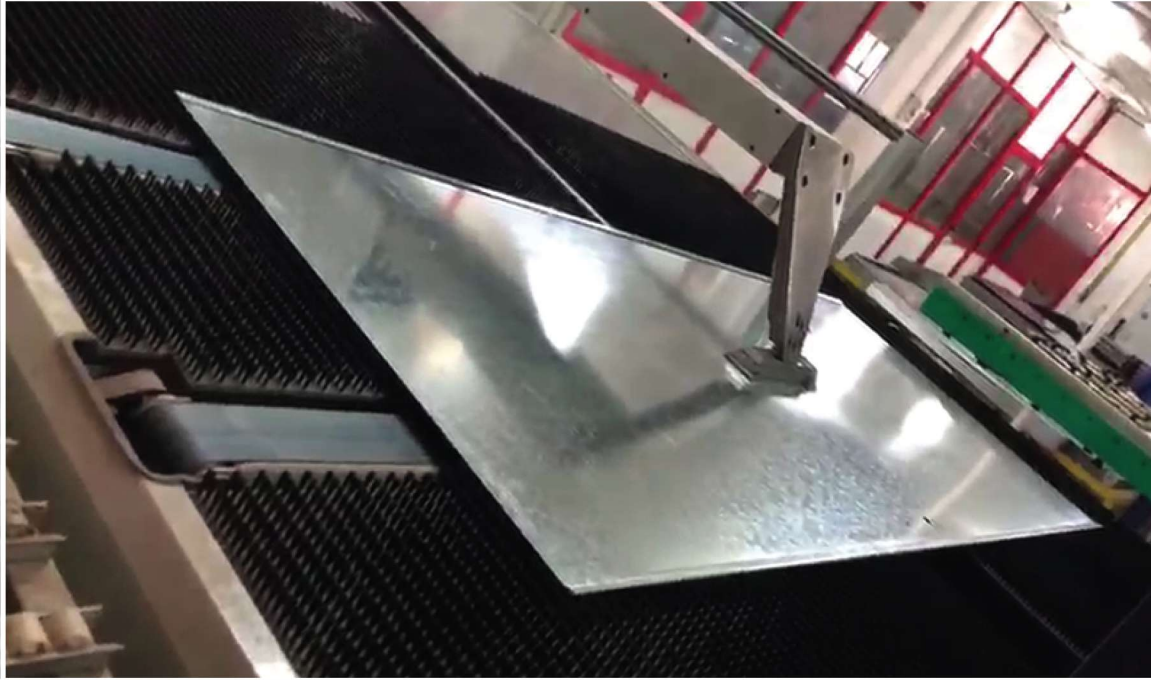
Baykal APHS 3104 x 160





Machines & Tools

Fully Automatic line for Fire Door with capacity of 100 Doors per day.





Design Softwares

Design Softwares

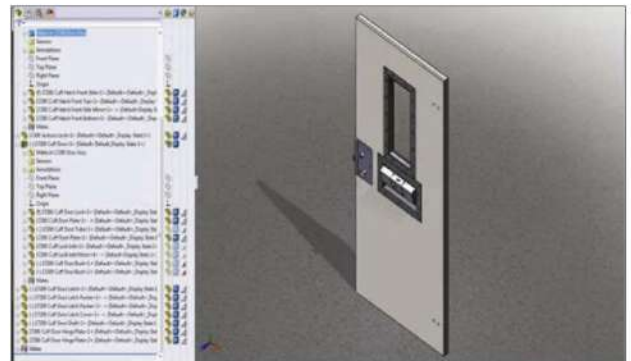
We are using up to date design and manufacturing softwares to produce our fire rated doors. Our engineers and designers are working together to make sure our door will meet our our customers requirements.

Below are the list of softwares we are using for the design and fabrication of our fire rated doors.

- Solid Works
- Autocad
- Lantek

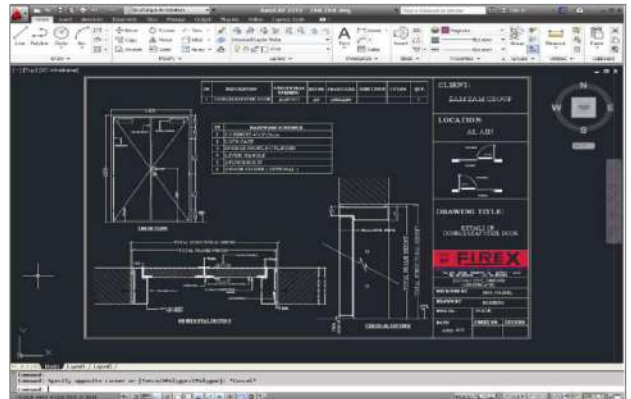
SOLID WORKS

We are using Solidworks in preparing the final 3D layout and design of the door based on the customers requirements including the dimensions, opening direction, color and which hardware to be used before we start the fabrication in the factory.



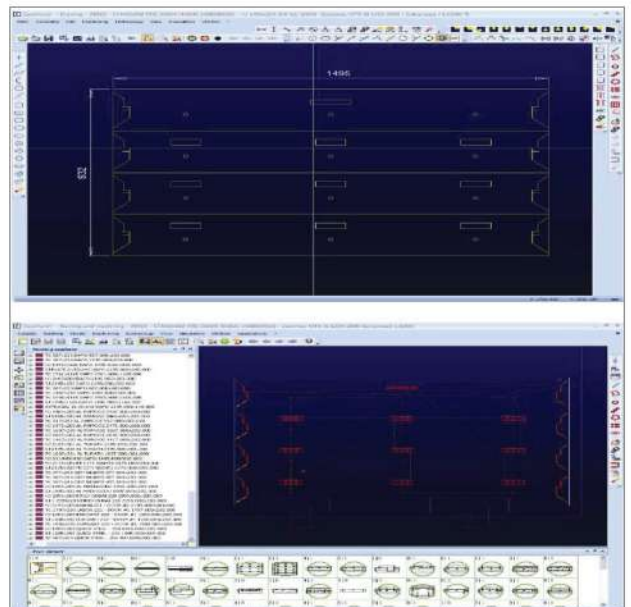
AUTOCAD

AutoCAD is a software application for computer-aided design (CAD) and drafting. We used this software in preparing shop drawings that we send to our clients for their approval to make sure that we will meet their exact requirements for their doors.



Lantek

Our design engineers are using this advanceCAD/CAM software to produce accurate dimensions for cutting and punching of every sheet that we use on our doors. We execute these programs using our Euromac MTX-AI CNC Punching Machine.





FIRE RATED STEEL DOORS



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CIVIL DEFENCE APPROVED

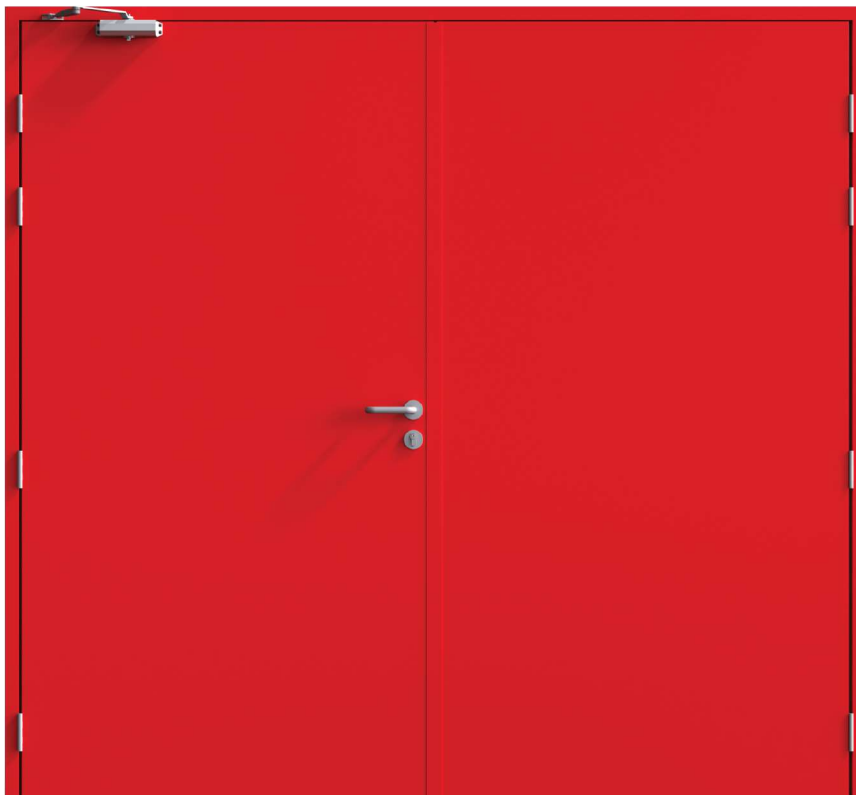
DOUBLE LEAF DOOR

GENERAL DESCRIPTION

Fire doors are an integral part of the safety system in all public and commercial buildings. During everyday use, a fire door seem just like any other door. But when a fire occurs, fire door take on a new level of importance, and they must perform their primary purpose: to prevent fire from spreading to the remainder of a building and to protect the lives of all occupants.

Fire rated doors must serve four main functions:

1. Serve as a regular door at all times.
2. Provide ready egress during a fire
3. Prevent the fire from spreading throughout the building
4. Protect life and property



Fire rated doors are designed to protect property and life in the event of fire. For this, the door must serve as a fire and smoke barrier. Studies have shown that more people have lost their lives due to smoke asphyxiation than fire.

Designed to meet the life safety requirements in various types of buildings and structures, FIREX fire rated door help compartmentalise and contain the spread of fire. These doors complement existing passive fire fighting systems. These doors also meet all stipulated international, national and regional fire safety standards.



FIRE RATED STEEL DOORS



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CERTIFICATE OF APPROVAL
No. ME 5007

CIVIL DEFENCE APPROVED

SINGLE LEAF DOOR

GENERAL DESCRIPTION

Steel Fire Doors are generally constructed as standard Firex Doors sets but have special internal reinforcement. The Fire doors range has been fully tested and approved by leading authorities throughout the United Arab Emirates.

Firex fire resisting door sets are available to suit numerous applications from single action single door sets, through to double action door sets to a maximum fire resistant period of 240 minutes.



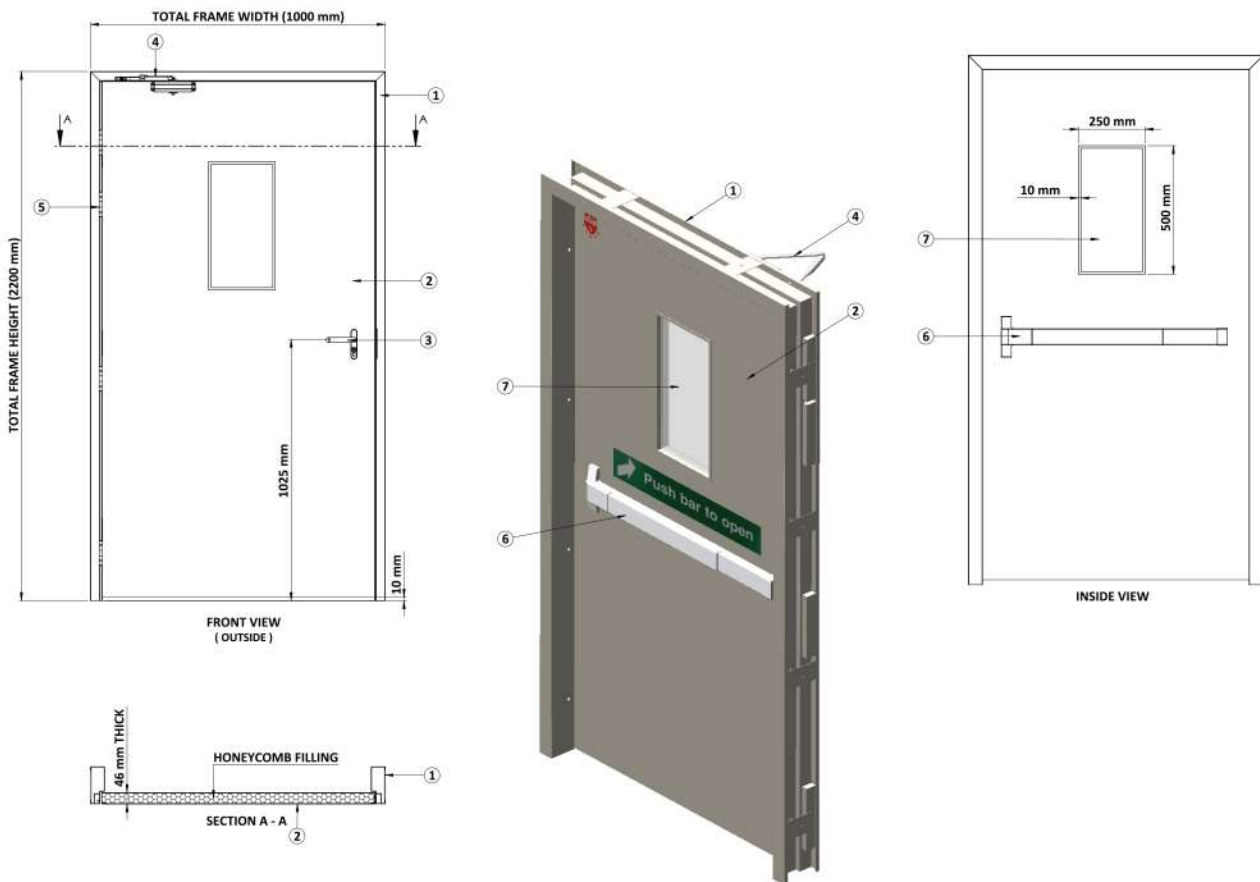
Recommended Use

- Residential applications
- Commercial applications
- Interior applications
- Warehouses
- Labour camps
- Government Buildings

FINISHES

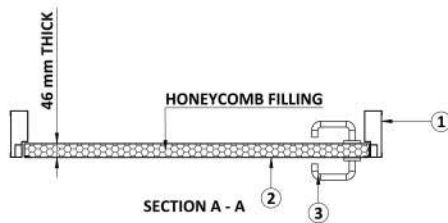
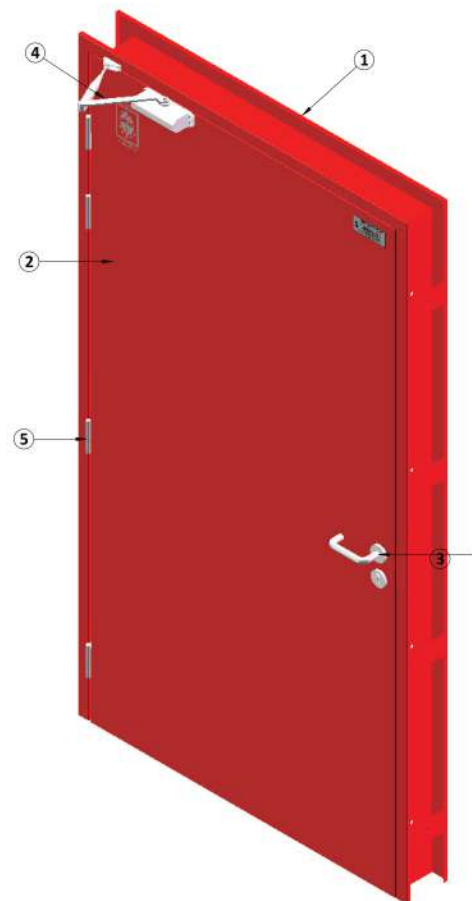
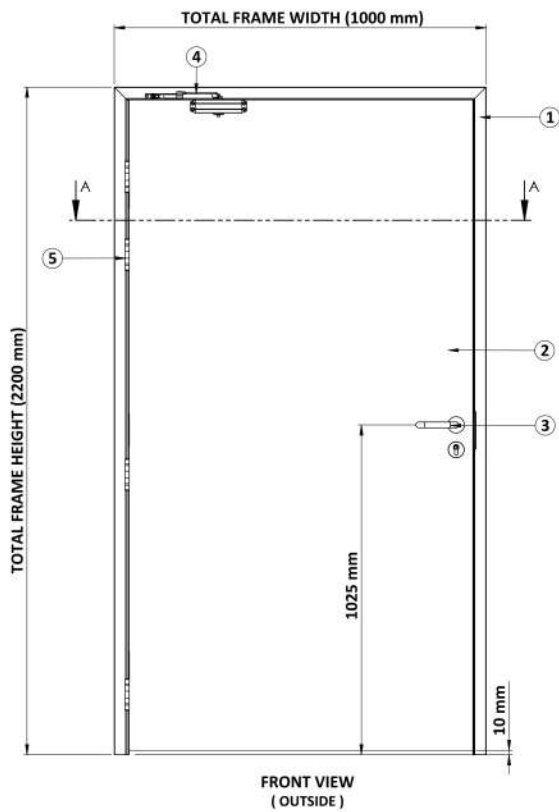
- Polyster powder coated
- Epoxy powder coated
- Wood finish
- Stainless steel

STANDARD SINGLE DOOR WITH PUSH BAR



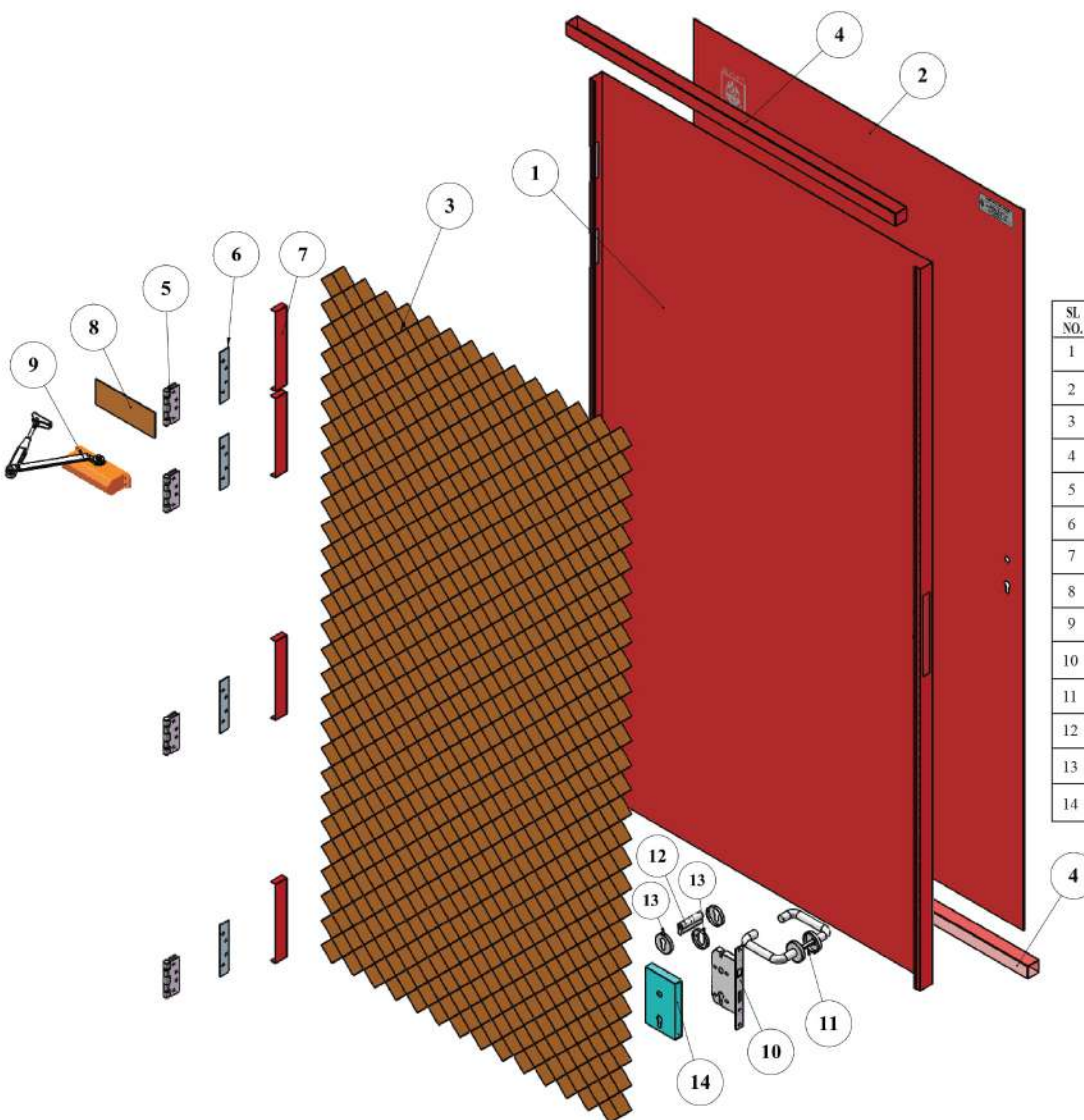
ITEM NO.	DESCRIPTION
1	DOOR FRAME
2	FIRE RATED DOOR
3	LEVER HANDLE
4	DOOR CLOSER
5	HINGES
6	PUSH BAR
7	VISION PANEL

STANDARD SINGLE DOOR WITH MORTISE LOCK



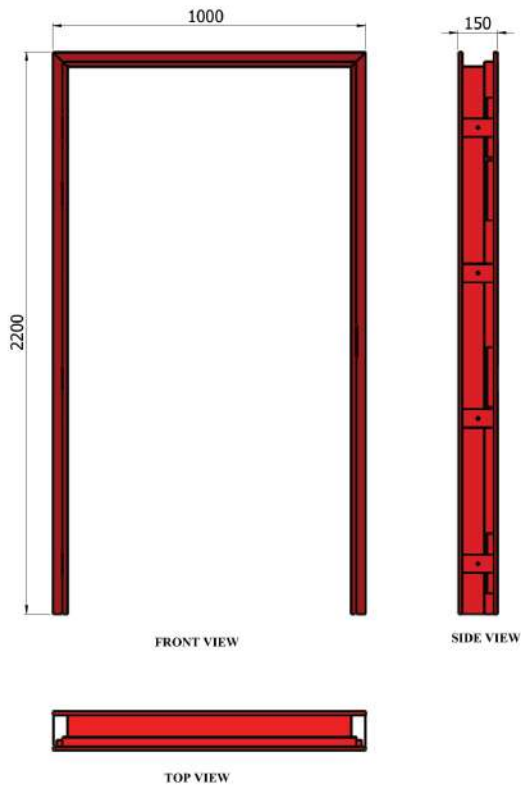
ITEM NO.	DESCRIPTION
1	DOOR FRAME
2	FIRE RATED DOOR
3	LEVER HANDLE
4	DOOR CLOSER
5	HINGES

Steel Fire Door Leaf

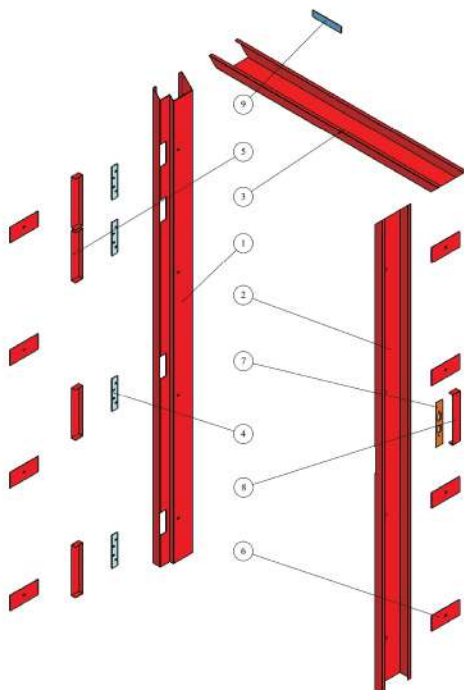
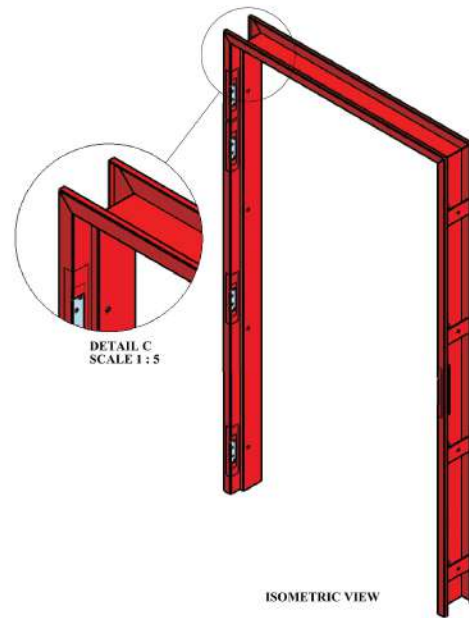


SL. NO.	PART NUMBER	DESCRIPTION	QTY
1	1	DOOR BOTTOM SKIN	1
2	2	DOOR TOP SKIN	1
3	3	HONEY COMB	1
4	4	TOP AND BOTTOM CHANNEL	2
5	5	HINGE	4
6	6	HINGE REINFORCEMENT	4
7	7	HINGE COVER	4
8	8	DOOR CLOSER REINFORCEMENT	1
9	9	DOOR CLOSER	1
10	10	SASHLOCK	1
11	11	LEVER HANDLE	1
12	12	CYLINDER	1
13	13	ESCUTCHEON & COVER	2
14	14	LOCKCASE COVER	1

Steel Fire Door Frame



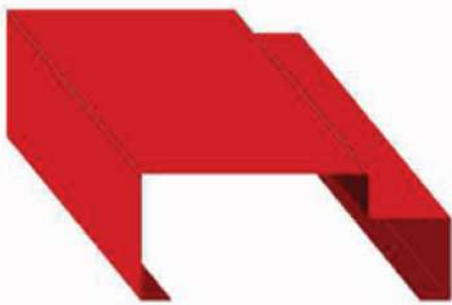
FRAME ASSEMBLY



SL. NO.	PART NO.	DESCRIPTION	QTY.
1	1	HINGE JAMB	1
2	2	STRIKE JAMB	1
3	3	TOP CARD	1
4	4	HINGE PLATE	4
5	5	HINGE GUARD	4
6	6	ANCHOR PLATE	8
7	7	STRIKE PLATE	1
8	8	STRIKE GUARD	1
9	9	DOOR CLOSED PLATE	1

STEEL FIRE DOOR FRAME STANDARD DESIGNS

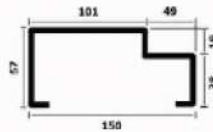
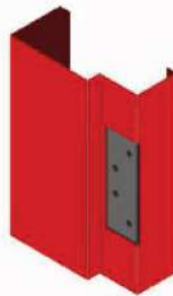
1. SINGLE REBATE FRAME



Features

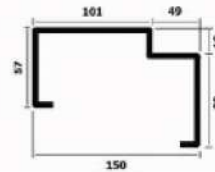
Made of 1.5mm galvanized steel
Standard size of 150mm x 57mm
Provided with all the reinforcements
to make it strong and robust
Prime and powder paint finish

No case

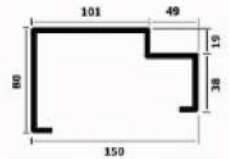


Types of Case

C1 / BORDER INSIDE



C2 / BORDER OUTSIDE

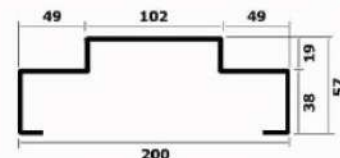
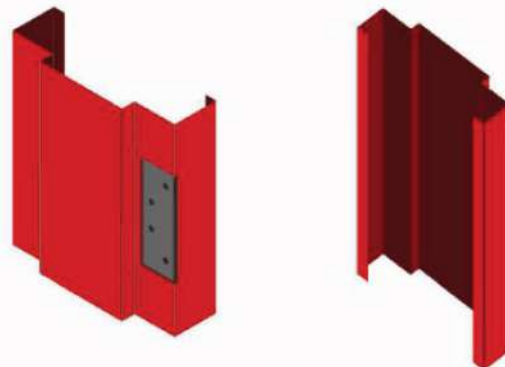


2. DOUBLE REBATE FRAME

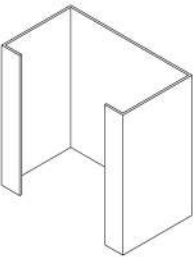


Features

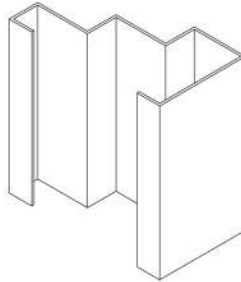
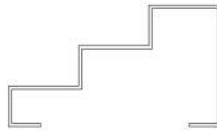
Made of 1.5mm galvanized steel
Standard size of 200mm x 57mm
Provided with all the reinforcements
to make it strong and robust
Prime and powder paint finish



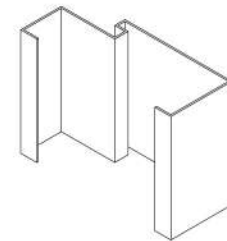
STANDARD STEEL FRAME PROFILE



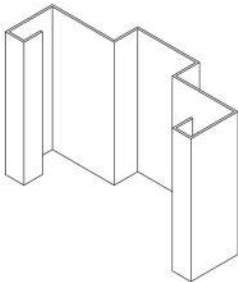
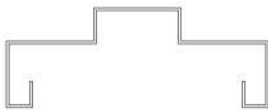
Cased Opening



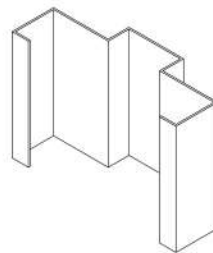
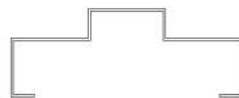
DOUBLE EGRESS



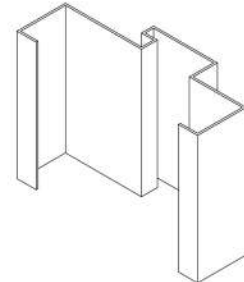
DOUBLE RABBET KERFF



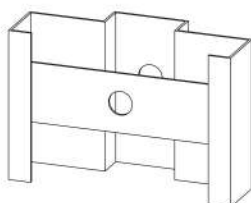
DOUBLE RABBET WRAPROUND



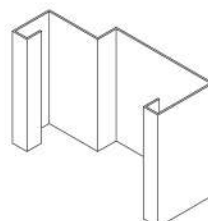
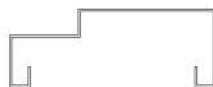
DOUBLE RABBET



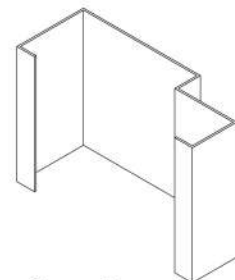
DOUBLE RABBET-KERF



FLAT BAR ANCHOR



SINGLE RABBET WRAPROUND



SINGLE RABBET



Steel Fire Door Models

Steel Fire Door Models



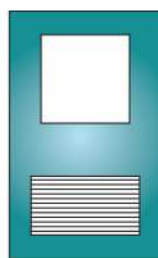
NL(NARROW LITE WITH BOTTOM LOUVER)



VL(VISION LITE WITH BOTTOM LOUVER)



CL(CIRCLE LITE WITH BOTTOM LOUVER)



GL(HALF GLASS WITH BOTTOM LOUVER)



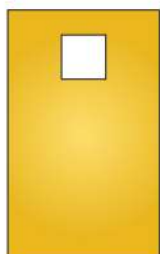
L(LOUVER)



F(FLUSH)



N(NARROW LITE)



V(VISION LITE)

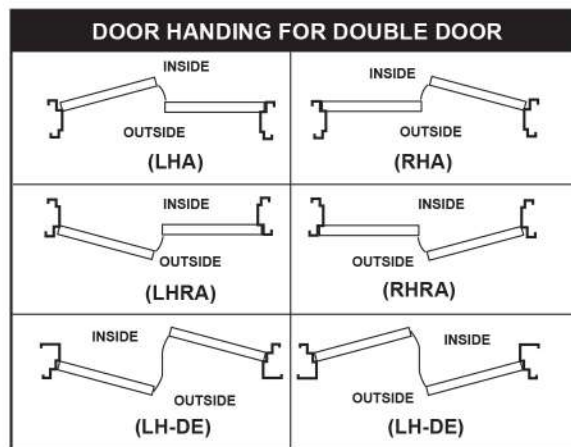
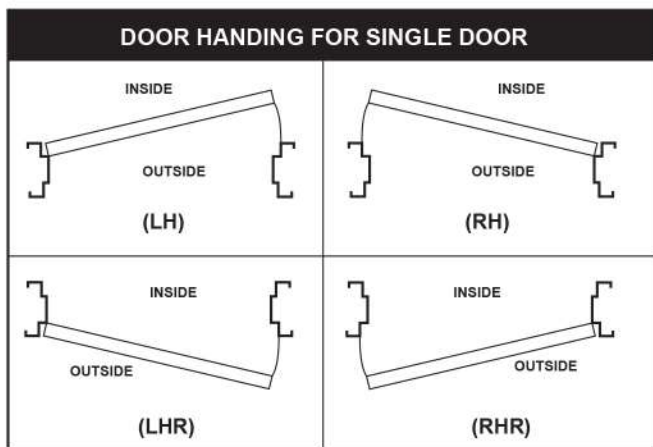


C(CIRCLE LITE)



G(HALF GLASS)

Types of Doors Handing





Tested Core Materials

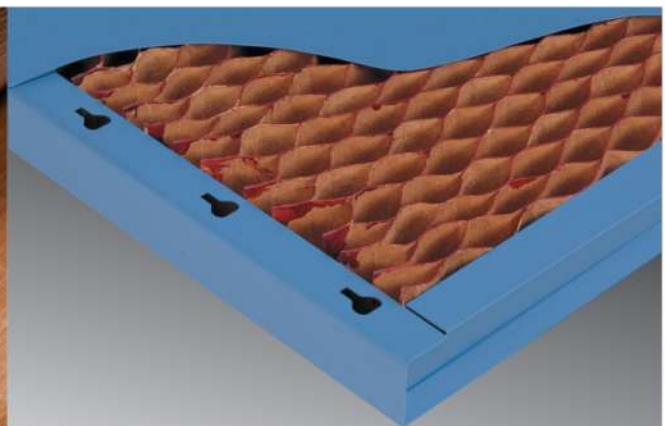


Honeycomb Core

Dufaylite Honeycombs made from strips of recycled paper materials, bonded together such that when expanded into sheets, the result is a cellular honeycomb structure that has great strength combined with extremely light weight.

Special coatings and facing boards can be applied to the basic honeycomb sheets to provide characteristics such as fire-resistance, rigidity or display-quality surfaces, and can be shaped, slit and die-cut.

These doors are available with honey comp core as standard infill material with other optional cores. These fire doors are rated from 30, 60, 90, 120, 180 and 240 minute's fire withstanding ability.





OTHER TYPES OF FIRE DOORS

WOODEN FINISH STEEL FIRE DOORS

Firex manufacture Wooden finish Steel Fire Doors of different fire ratings to fit the particular construction project and code requirements. We offer wide range of steel doors with wood finishes to meet with the client requirements and various Customer needs. The wood finish on steel door provides remarkably elegant entry door systems and imitates perfectly the look of a real wood door while keeping all of the great benefits you get from the strength of a steel door.



FULLY GLAZED FIRE RATED DOORS

Available in a variety of profiles and ratings, our glazed fire doors comes with steel systems or timber systems that utilize the PYRAN® S fire rated glazing with our proprietary framing system. The product combines inspirational design flair with performance rated protection to match demanding architectural specifications. The glazed fire rated door can be manufactured to suit different fire ratings and dimensions. With maximum glazed elements and sleek, minimal profiles in timber, stainless steel or GI steel powder coated colored finish, our fire door system also delivers on aesthetic appeal.



FIRE RATED ACCESS DOORS

Fire-Rated Access Doors are engineered to contain fire from spreading through the access door and maintain the fire-rating of the surrounding wall/ceiling. Available with insulation options to guard against temperature rise in the event of a fire.



SAND TRAP LOUVER DOORS AND WINDOWS

The sand trap louver door is used as pre-filter for the protection of air conditioning plants, Electrical Substation and generator rooms in areas exposed to extreme levels of industrial pollution. It has a degree of separation of sand and large dust particles, even in cases of high dust concentrations. The vertically arranged sections and holes for sand drainage ensure the sand trap louver is self cleaning and maintenance-free. The sand trap louver is designed to separate large particles at low air velocities, thus avoiding excessive dustloading on conventional plant filters. It is not intended as a substitute for conventional supply air filtration plant.





Glazed Doors



TM 75EI - SYSTEM OF FIRE PROTECTION WALLS AND DOORS

TM 75EI - SYSTEM FEATURES

Proofing class from EI 60 to EI 90, that may be used as indoors and outdoors partitions. The system allows for constructing a wide variety of doors and walls combinations. Smoke proof constructions are also possible. Thermally insulated profiles of TM 75 EI system are composed of two aluminium parts separated with insulating tapes. The 32mm wide tapes, acting as insulation in profiles, are made of polyamide reinforced with glass fibre.

The profiles are manufactured in two versions, the difference consists in the amount of fire proof insulating infills in the chambers between aluminium shapes.





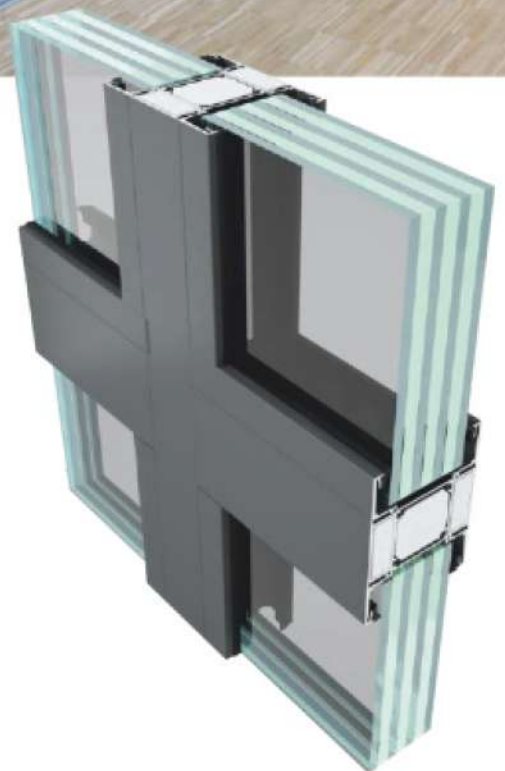
Glazed Doors



long-lasting
fire protection

FIRE PROTECTION WALLS FIRE BLOCK 120 TM 90EI

FIRE BLOCK 120 & 90EI allows for manufacturing a wide selection of fire protection partitions with fire resistance class EI 120. It is compatible with Our doors system. The System meets the requirement of up-to-date Technical Approval. Max. dimensions of fire protection wall that may be constructed using this system are as follows:
height: 4000 mm; width: 5240 mm.





Stainless Steel Doors & Frames

Stainless Steel Doors & Frames

For use in healthcare facilities, where there is demand for an extremely high level of cleanliness also hotels and restaurants.

Fire doors can be custom designed and produced in a range of alloys including SS grade 304 and SS grade 316.



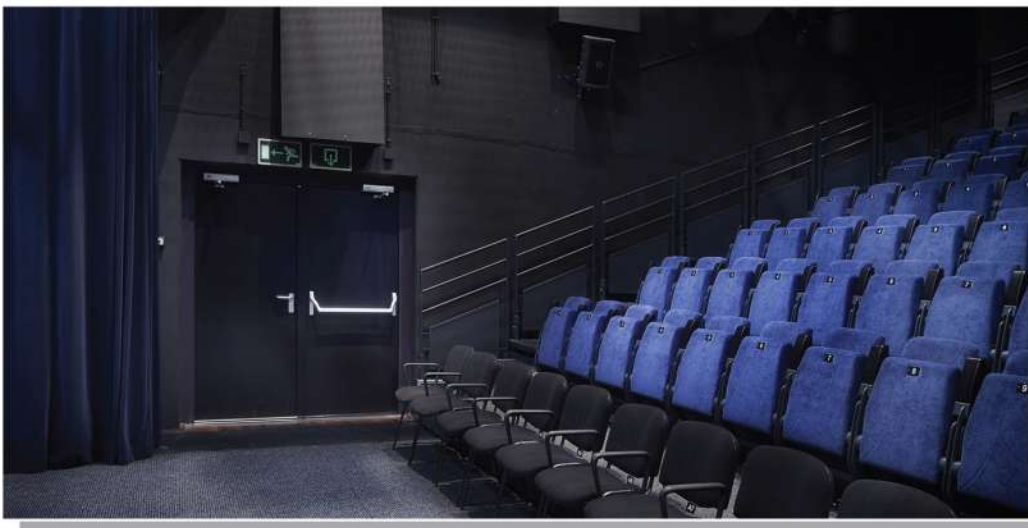
Special Doors For Hospitals and Medical Clinics

Firex can supply special doors with steel frames and wooden leaf for hospitals and Medical Clinics with different colours and designs.



Acoustic Doors and Frames

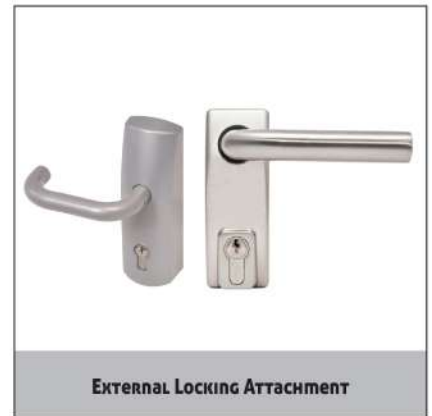
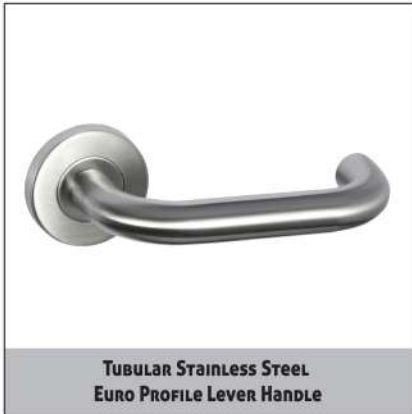
Can be used for noise reduction in Cinemas, Theaters, Meeting rooms, Testing facilities, Generator rooms etc.
STC 33 STC 53 can be supplied.



4 Hours Fire Rated HardwareS



ASSA ABLOY



2 HOURS FIRE RATED HARDWARES





CERTIFICATES

 **ewcl⁵ CERTIFICATES no ME 5007**

		
CERTIFICATE OF APPROVAL No ME 5007		
EMIRATES FIRE FIGHTING EQUIPMENT FACTORY LLC (FIREX)		
PO Box 22436, Industrial Area 13, Sharjah, UAE Tel: +971 6 5340300 Fax: +971 6 5340090		
<small>Have been assessed against the requirements of the test standard(s) denoted below and are approved for use subject to the conditions appended hereto:</small>		
CERTIFIED PRODUCT Fire rated steel fire doorsets (steel leaves and frames)	TEST STANDARD BS 476: Part 22: 1987 - Fire tests on building materials and structures. Methods for determination of the fire resistance of non-loadbearing elements of construction	
BRAND NAME AQUAPLUS, FIRE BELL, FIRE BIRD, FIRE TECH, FIRST, GUARD, JOFFCO, OMEGA, POWER, SOS INTERNATIONAL, TORNADO, TRI STAR, FIREX, FIREX 1, BEST, SAFETY FIRST, RECOMP, UNIX-UAE		
Signed and sealed for and on behalf of Exova (UK) Limited trading as Warrington Certification		
		
Paul Duggan Certification Manager		
		
Issued: 19 th June 2011 Revised: 26 th June 2018 Valid to: 6 th April 2021		
Page 1 of 4		

This certificate is the property of Exova (UK) Limited trading as Warrington Certification
Reg. Office: Exova (UK) Limited, Lochend Industrial Estate, Newbridge, Midlothian EH28 8PL United Kingdom. Co. Reg. No. SC070429



CERTIFICATES

BSI CERTIFICATE

bsi.

Kitemark™ Certificate



By Royal Charter

This is to certify that:

Emirates Fire Fighting Equipment Factory
L.L.C. (Firex)
PO Box 22436
Industrial Area 13
Sharjah
United Arab Emirates

Holds Certificate Number:

KM 650623

In respect of:

BS 476 Part 22 : 1987

Fire resistance of non-load bearing elements of construction - Fire doors

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Gary Fenton, Global Product Certification Director

First Issued: 15/06/2016

Latest Issue: 02/08/2016



Page: 1 of 2

...making excellence a habit.™

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 5000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.



TEST REPORT

TEST REPORT - DOUBLE UNEQUAL LEAF STEEL DOOR

TEST REPORT

FIRE RESISTANCE TEST OF CONSTRUCTION ASSEMBLIES

Test Sponsor:

Emirates Fire Fighting Equipment Factory (FIREX)
P.O. Box: 22436
Sharjah, UAE
T:+971 6 534 0300, F:+971 6 534 0090
Email: qc@firexuae.com

Test Assembly:

Latched Single Acting Double Leaf Steel Doorset with Vision Panel

Test Standard:

BS476-20:1987; Fire tests on building materials and structures – Part 20: Method for determination of the fire resistance of elements of construction (general principles).

BS476-22:1987; Fire test on building materials and structures – Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction.



**THOMAS BELL-WRIGHT
INTERNATIONAL CONSULTANTS**

Test Date: 03-Feb-16
Issue Date: 21-Feb-16
Reference No: QA039

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DUBAI ABU DHABI DOHA

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TEST REPORT - DOUBLE LEAF STEEL DOOR

TEST REPORT FIRE RESISTANCE TEST OF CONSTRUCTION ASSEMBLIES

Test Sponsor:

Emirates Fire Fighting Equipment Factory (FIREX)
P.O. Box: 22436
Industrial Area 13, Sharjah, UAE
T: +971 6 534 0300
Website: www.firexuae.com

Test Assembly:

Latched Single Acting Double Leaf Steel Doorset with Vision Panels on both Door Leaves.

Test Standard:

BS476-20:1987; Fire tests on building materials and structures – Part 20: Method for determination of the fire resistance of elements of construction (general principles).
BS476-22:1987; Fire test on building materials and structures – Part 22: Methods for determination of the fire resistance of non-loadbearing elements of construction.



**THOMAS BELL-WRIGHT
INTERNATIONAL CONSULTANTS**

Test Date: 13-Dec-17
Issue Date: 17-Jan-18
Reference No: RJ071

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DUBAI ABU DHABI DOHA



FIREX PROJECTS

Some of Our Projects



Qatar Mall



Kempinski Hotel Dubai



Fujairah City Center



Al Rayyan Complex Sharjah



Sheraton Park Project Qatar



KCC Hospital Kuwait



Sahel & Sahara Tower Sudan



Our Markets Mainly Include;

- Public Buildings
- Residential & Commercial Buildings
- Shopping Malls
- Hotels
- Schools
- Factories
- Warehouses
- Accommodations
- Healthcare / Hospitals
- Airports
- Metro Stations

